Attorney Docket No.: M-11805 US
First Inventor: Nader Mohsenian
Serial No.: 10/027,617
Filing Date: October 22, 2001
Title: Video Data De-Interlacing Using Perceptually-Tuned
Interpolation Scheme

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FIG. 1

FIG. 2

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FIG. 3

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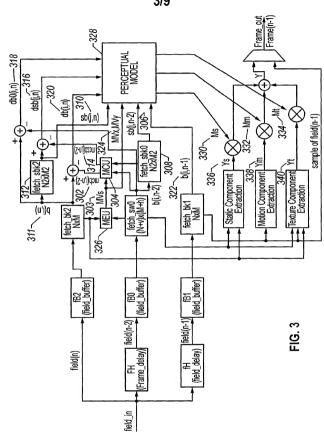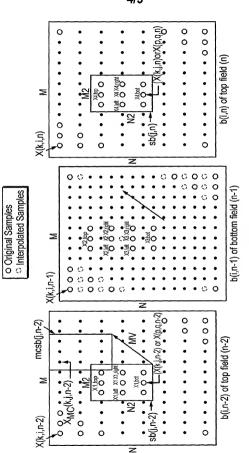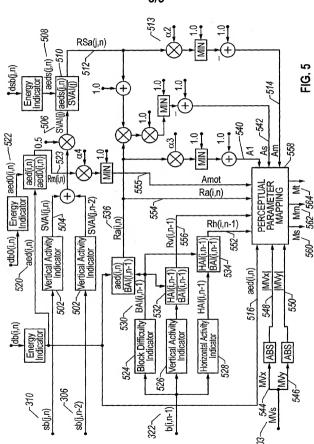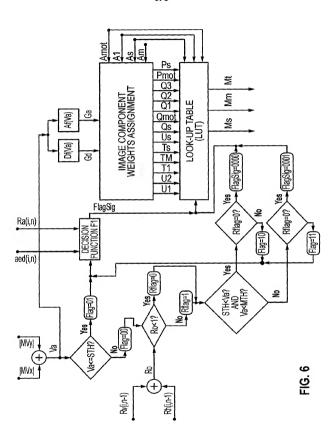   Interpolation Scheme

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FIG. 4

O Original Samples
◌ Interpolated Samples

FIG. 5

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FIG. 6

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FlagSig	Ms	Mm	Mt
0000	0	U2	Ts
0001	0	Q3	Amot
0100	A1	Q1	0
0101	0	Q2	As
0110	Ps	Q2	Qs
1000	T1	U1	0
1001	0	U2	Ts
1010	Tm	U2	Us
1100	Amot	Q3	0
1101	0	Q3	Amot
1110	Pmot	Q3	Qmot

FIG. 7

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FIG. 8

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FIG. 9